

Translation

TENT COOPERATION TREATY

PCT



10/502436

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|   |   |  |
|---|---|--|
| Applicant's or agent's file reference<br>2002P01119WO                                     | <b>FOR FURTHER ACTION</b> See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br>PCT/DE2003/000070  | International filing date (day/month/year)<br>08 January 2003 (08.01.2003)  | Priority date (day/month/year)<br>24 January 2002 (24.01.2002) |
| International Patent Classification (IPC) or national classification and IPC<br>H01H 9/54 |   |  |
| Applicant<br>SIEMENS AKTIENGESELLSCHAFT et al.  |   |  |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

☐ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of \_\_\_\_\_ sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

|   |  |
|---|--|
| Date of submission of the demand<br>13 August 2003 (13.08.2003) | Date of completion of this report<br>06 July 2004 (06.07.2004) |
| Name and mailing address of the IPEA/EP                         | Authorized officer   |
| Facsimile No.   | Telephone No.  |

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No.

PCT/DE2003/000070

## I. Basis of the report

1. This report has been drawn on the basis of *(Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to the report since they do not contain amendments.)*:

- ☒ the international application as originally filed.
- ☒ the description, pages 1-9, as originally filed,  
 pages \_\_\_\_\_, filed with the demand,  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the claims, Nos. 1-9, as originally filed,  
 Nos. \_\_\_\_\_, as amended under Article 19,  
 Nos. \_\_\_\_\_, filed with the demand,  
 Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 Nos. \_\_\_\_\_, filed with the letter of \_\_\_\_\_.
- ☒ the drawings, sheets/fig 1/1, as originally filed,  
 sheets/fig \_\_\_\_\_, filed with the demand,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_,  
 sheets/fig \_\_\_\_\_, filed with the letter of \_\_\_\_\_.

2. The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

3. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

4. Additional observations, if necessary:

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## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

|                               |        |     |     |
|-------------------------------|--------|-----|-----|
| Novelty (N)                   | Claims | 1-9 | YES |
|                               | Claims |     | NO  |
| Inventive step (IS)           | Claims | 1-9 | YES |
|                               | Claims |     | NO  |
| Industrial applicability (IA) | Claims | 1-9 | YES |
|                               | Claims |     | NO  |

### 2. Citations and explanations

Reference is made to the following document:

D1: DE-A-32 42 040

Document D1, which is considered to be the closest prior art, discloses an electrical circuit layout. The subject matter of claim 1 of the present application differs in that if there is no start command the control unit is caused to emit a **second** switching signal to open the output side of the switching device.

The subject matter of claim 1 is therefore novel (PCT Article 33(2)).

The problem addressed by the present invention can therefore be seen as that of further improving the circuit in terms of its ability to withstand electromagnetic interference.

The solution proposed in claim 1 involves an inventive step (PCT Article 33(3)) because it is not suggested by anything in the prior art.

Claims 2 to 9 are dependent on claim 1 and therefore also

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meet the PCT requirements in respect of novelty and inventive step.

Claims 1 to 9 relate to an electrical circuit layout and therefore meet the requirement of industrial applicability (PCT Article 33(4)).